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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**


Application Number	10/657,637
Filing Date	SEPT. 8, 2003
First Named Inventor	David K. Haller
Art Unit	3748
Examiner Name	THERESA TRIEU
Attorney Docket Number	TEC1210/C-502

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
TT		US- 4,389,171	06-21-1983	Eber et al.	
		US- 4,497,615	02-05-1985	Griffith	
		US- 5,062,779	11-05-1991	Da Costa	
		US- 5,345,970	09-13-1994	Leyderman et al.	
		US- 5,346,375	09-13-1994	Akiyama et al.	
		US- 5,370,156	12-06-1994	Peracchio et al.	
		US- 5,597,296	01-28-1997	Akazawa et al.	
		US- 5,863,190	01-26-1999	Yamamoto et al.	
		US- 6,132,191	10-17-2000	Hugenroth et al.	
		US- 6,139,291	10-31-2000	Perevozchikov	
		US- 6,179,589	01-30-2001	Bass et al.	
		US- 6,224,356	05-01-2001	Dewar et al.	
		US- 6,227,830	05-08-2001	Fields et al.	
		US- 6,261,073	07-17-2001	Kumazawa	
		US- 6,299,423	10-09-2001	Perevozchikov	
		US- 6,305,912	10-23-2001	Svensen et al.	
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	JUNE 8, 2005
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# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

MAY 28 2004

Docket Number (Optional)

TEC1210-01

Application Number

10/657,637

Applicant(s)

David K. Haller et al.

Filing Date

September 8, 2003

Group Art Unit

2874 3748

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,720,601	02/24/1998	Tark et al.	417	569	
TT	5,775,894	07/07/1998	Kosco, Jr.	418	63	
TT	5,769,126	06/23/1998	Cho	137	856	

## FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
TT	2 755 477 - A1	11/05/1997	France			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TT	Search Reported dated 05/03/2004.

EXAMINER

*[Signature]*

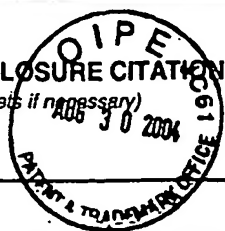
DATE CONSIDERED

JUNE 8, 2005

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# INFORMATION DISCLOSURE CITATION

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ATTY DOCKET NO.

TEC1210-01/C-502

APPLICATION NO.

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APPLICANT(S)

David K. Haller et al.

FILING DATE

September 8, 2003

GROUP ART UNIT

2815 3748

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	Re. 34,297	06/29/1993	Elson	<del>417</del>	<del>372</del>	
	Re. 25,569	05/05/1964	Coron et al.	<del>330</del>	<del>117</del>	
	2,661,172	12/01/1953	Needham	<del>248</del>	<del>19</del>	
	3,039,725	06/19/1962	Kerley, Jr.	<del>248</del>	<del>20</del>	
TT	3,145,960	08/25/1964	Langdon	<del>248</del>	<del>13</del>	

## U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	2001/0055536	12/27/2001	Bernardl et al.	<del>418</del>	<del>55.6</del>	
TT	2001/0006603	07/05/2001	Hong et al.	<del>418</del>	<del>55.1</del>	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TT	JP402061382A	03/01/1990	Japan	I	I		
	JP407259764A	10/09/1995	Japan	I	I		
	JP61087994	05/06/1986	Japan	I	I		
	JP2001020881A	01/23/2001	Japan	I	I		
TT	JP2002098056A	04/05/2002	Japan	I	I		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>TEC1210-01/C-502</b>		APPLICATION NO. <b>10/657,637</b>	
				David K. Haller et al.			
				FILING <b>September 8, 2003</b>		GROUP ART <b>2815 3748</b>	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		3,749,340	07/31/1973	Williams et al.	<del>248</del>	<del>24</del>	
		3,785,167	01/15/1974	Sahs	<del>62</del>	<del>296</del>	
		4,089,613	05/16/1978	Babbitt, Jr.	<del>403</del>	<del>388</del>	
		4,244,680	01/13/1981	Ishizuka et al.	<del>418</del>	<del>02</del>	
TT		4,416,594	11/22/1983	Ichikawa	<del>417</del>	<del>360</del>	

U.S. PATENT APPLICATION PUBLICATIONS							
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FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
TT		JP2002021729A	01/23/2002	Japan	—	—		
TT		JP410148191A	06/02/1998	Japan	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

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GROUP ART  
2815

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	4,518,276	05/21/1985	Mitchell	403	13	
	4,552,518	11/12/1985	Utter	418	55	
	4,557,677	12/10/1985	Hasegawa	418	63	
	4,685,188	08/11/1987	Goy	29	446	
TT	4,767,293	08/30/1988	Caillat et al.	418	55	

**U.S. PATENT APPLICATION PUBLICATIONS**

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David K. Haller et al.

FILING  
September 8, 2003

GROUP ART  
~~2815~~ 3748

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T7	4,792,288	12/20/1988	Gromoll et al.	417	278	
	4,818,198	04/04/1989	Tamura et al.	418	55	
	4,877,382	10/31/1989	Caillat et al.	418	55	
	4,992,033	02/21/1991	Caillat et al.	418	553	
TT	5,012,896	05/07/1991	Da Costa	484	616	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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						YES	NO

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				David K. Haller et al.				
				FILING <b>September 8, 2003</b>		GROUP ART <b>3815 3748</b>		
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		5,055,010	10/08/1991	Logan	417	410		
		5,110,268	05/05/1992	Sakurai et al.	417	410		
		5,114,322	05/19/1992	Caillat et al.	418	55.6		
		5,137,437	08/11/1992	Machida et al.	418	55.1		
TT		5,176,506	01/05/1993	Siebel	417	368		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
EXAMINER			DATE CONSIDERED					
			<b>JUNE 8, 2005</b>					
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

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APPLICANT(S)

David K. Haller et al.

FILING DATE

September 8, 2003

GROUP ART UNIT

2815- 3748

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,211,031	05/18/1993	Murayama et al.	<del>62</del>	<del>498</del>	
	5,219,281	06/15/1993	Caillat et al.	<del>418</del>	<del>55.6</del>	
	5,222,885	06/29/1993	Ramshankar et al.	<del>418</del>	<del>96</del>	
	5,224,845	07/06/1993	Mangyo et al.	<del>417</del>	<del>423.15</del>	
TT	5,240,391	08/31/1993	Ramshankar et al.	<del>417</del>	<del>410B</del>	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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David K. Haller et al

FILING

September 8, 2003

GROUP ART

~~3815~~ 3748

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,247,738	09/28/1993	Yoshii	<del>29</del>	<del>888.022</del>	
	5,312,234	05/17/1994	Yoshii	<del>418</del>	<del>55.1</del>	
	5,345,785	09/13/1994	Sekigami et al.	<del>62</del>	<del>468</del>	
	5,348,455	09/20/1994	Herrick et al.	<del>418</del>	<del>63</del>	
TT	5,391,066	02/21/1995	Sawai et al.	<del>418</del>	<del>56.6</del>	

**U.S. PATENT APPLICATION PUBLICATIONS**

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				David K. Haller et al.			
				FILING September 8, 2003		GROUP ART 2815 3748	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		5,427,511	06/27/1995	Caillat et al.	418	55.1	
		5,474,433	12/12/1995	Chang et al.	418	55.4	
		5,487,648	01/30/1996	Alfano et al.	417	312	
		5,522,715	06/04/1996	Watanabe et al.	418	55.1	
TT		5,531,577	07/02/1996	Hayase et al.	418	55.1	

U.S. PATENT APPLICATION PUBLICATIONS							
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FOREIGN PATENT DOCUMENTS								
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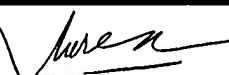
  


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

EXAMINER 	DATE CONSIDERED JUNE 8, 2005
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<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		5,533,875	07/09/1996	Crum et al.	412	368		
		5,579,651	12/03/1996	Sugiyama et al.	62	469		
		5,580,233	12/03/1996	Wakana et al.	418	94		
		5,597,293	01/28/1997	Bushnell et al.	417	410.3		
TT		5,634,781	06/03/1997	Yoshida et al.	418	55.1		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
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<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
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EXAMINER			DATE CONSIDERED					
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<b>U.S. PATENT DOCUMENTS</b>								
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TT		5,645,408	07/08/1997	Fujio et al.	<del>418</del>	<del>55.4</del>		
		5,660,539	08/26/1997	Matsunaga et al.	<del>418</del>	<del>55.6</del>		
		5,683,237	11/04/1997	Hagiwara et al.	<del>418</del>	<del>55.2</del>		
		5,695,326	12/09/1997	Oka et al.	<del>418</del>	<del>55.1</del>		
TT		5,716,202	02/10/1998	Koyama et al.	<del>418</del>	<del>55.6</del>		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT	5,745,992	05/05/1998	Caillat et al.	<del>29</del>	888.023		
	5,752,688	05/19/1998	Campbell et al.	<del>218</del>	<del>674</del>		
	5,772,411	06/30/1998	Crum et al.	<del>417</del>	<del>368</del>		
	5,772,416	06/30/1998	Caillat et al.	<del>418</del>	<del>55.6</del>		
TT	5,810,572	09/22/1998	Yamamoto et al.	<del>418</del>	<del>55.6</del>		

U.S. PATENT APPLICATION PUBLICATIONS							
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TT		5,829,959	11/03/1998	Tsubono et al.	<del>418</del>	<del>55.3</del>	
		5,913,892	06/22/1999	Kwon	<del>62</del>	<del>296</del>	
		5,931,649	08/03/1999	Caillat et al.	<del>418</del>	<del>55.1</del>	
		5,931,650	08/03/1999	Yasu et al.	<del>418</del>	<del>55.3</del>	
TT		5,947,709	09/07/1999	Koyama et al.	<del>418</del>	<del>55.6</del>	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO


  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

EXAMINER 	DATE CONSIDERED <b>JUNE 8, 2005</b>
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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>TEC1210-01/C-502</b>		APPLICATION NO. <b>10/657,637</b>		
				David K. Haller et al.				
				FILING <b>September 8, 2003</b>		GROUP ART <b>2815 3748</b>		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		5,964,581	10/12/1999	Iizuka et al.	<del>417</del>	<del>4103</del>		
		6,000,917	12/14/1999	Smerud et al.	<del>417</del>	<del>368</del>		
		6,011,336	01/04/2000	Mathis et al.	<del>310</del>	<del>91</del>		
		6,027,321	02/22/2000	Shim et al.	<del>418</del>	<del>1</del>		
TT		6,039,551	03/21/2000	Takeuchi et al.	<del>418</del>	<del>88</del>		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
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David K. Haller et al.

FILING  
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GROUP ART  
2815

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	6,050,794	04/18/2000	Noboru et al.	<del>418</del>	<del>55.6</del>	
	6,056,523	05/02/2000	Won et al.	<del>418</del>	<del>15</del>	
	6,106,254	08/22/2000	Hirooka et al.	<del>418</del>	<del>55.6</del>	
	6,156,106	12/05/2000	Kamata	<del>96</del>	<del>189</del>	
TT	6,162,035	12/19/2000	Hayano et al.	<del>418</del>	<del>220</del>	

**U.S. PATENT APPLICATION PUBLICATIONS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

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						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER


*[Signature]*

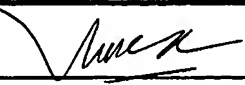
DATE CONSIDERED

JUNE 8, 2005

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<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		6,167,719	01/02/2001	Yakumaru et al.	<del>62</del>	<del>468</del>		
		6,171,076	01/02/2001	Yakumaru et al.	<del>62</del>	<del>468</del>		
		6,186,753	02/13/2001	Hugenroth et al.	<del>418</del>	<del>55.1</del>		
		6,247,910	06/19/2001	Yokoyama	<del>418</del>	<del>55.1</del>		
TT		6,264,446	07/24/2001	Rajendran et al.	<del>418</del>	<del>55.6</del>		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
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				APPLICANT(S) <b>David K. Haller et al.</b>				
				FILING DATE <b>September 8, 2003</b>		GROUP ART UNIT <b>—2815 3748</b>		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		6,280,154	08/28/2001	Clendenin et al.	417	410.5		
TT		6,402,485	06/11/2002	Hong et al.	417	366		
<b>U.S. PATENT APPLICATION PUBLICATIONS</b>								
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